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TITLE: FLAME RETARDANT TACKY FILM AND TAPE
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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To prepare a flame retardant tacky film, consisting essentially of an alkyl (meth)acrylate capable of providing a high shear strength and bonding strength, having flame retardance without containing any halogen and further a high adhesive strength and useful as automobiles, household appliances, etc.

SOLUTION: This flame retardant tacky film is obtained by forming a composition comprising (A) 100 pts.wt. copolymer prepared by copolymerizing a 4-14C alkyl (meth)acrylate with a vinyl monomer copolymerizable with the alkyl (meth)acrylate and (B) 5-70 pts.wt. mixture comprising three components of (i) ammonium polyphosphate, (ii) a nitrogen-containing compound of the

formula

(R¹ to R³ are each H, a 1-16C hydroxyalkyl, dihydroxyalkyl or hydroxyaryl, etc.) and (iii) a metallic oxide into a filmy shape. The resultant film has >50% percentage of stress relaxation after 20min when stretched to 100%.

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